



1654
Patent IF

Attorney Docket: 302,670-00024

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Group Art Unit: 1654

HAICHUAN ZHANG

Examiner: Randall O. Winston

Serial No.: 10/053,507

Filed: January 17, 2002

For: Method and Apparatus For Generating
and Utilizing Linear Moving Optical
Gradients

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97–1.98, information relating to the above-identified application is hereby disclosed. The accompanying Form PTO/SB/08A provides a listing of documents that may be relevant to the subject application.

It is requested that the Examiner fully consider the art cited in the accompanying Form PTO/SB/08A, initial the left-most column of the form adjacent each cited reference, and return a copy for Applicants' records. It is further requested that the art be cited on the cover of any patent issuing from the subject application.

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(37 C.F.R. §1.8a)

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In accordance with §1.98(d), copies of some or all of the references listed on the attached Form PTO/SB/08A are not enclosed herewith because they were previously cited by or submitted to the Patent and Trademark Office in prior copending or related applications for which a claim for priority under 35 U.S.C. §120 has been made in the instant application. Accordingly, Applicants will provide duplicate copies in respect of the present case only if the Examiner so desires.

This statement should not be construed as a representation that more material information does not exist or that an exhaustive search of the relevant art has been made. Nor does this statement constitute an admission by Applicants or Applicants' agent that the information provided herein is necessarily prior art to Applicants' invention. Moreover, Applicants reserve the right to establish the patentability of the claimed invention over any of the listed documents should they be applied there-

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Respectfully submitted,

O'MELVENY & MYERS LLP

Dated: 5/14/04

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

1

of

2

Complete if Known

Application Number	10/053,507
Filing Date	January 17, 2002
First Named Inventor	Haichuan Zhang
Group Art Unit	1654
Examiner Name	Randall O. Winston

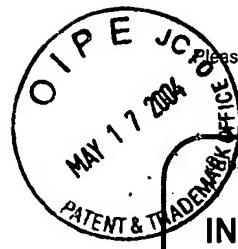
Attorney Docket Number

0302670-24 (prev. 271/088)

Examiner Initials *	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	Number	Kind Code ² (if known)			
	US-3826899		Ehrlich et al	07/30/1974	
	US-5374556		Bennett et al	12/20/1994	
	US-5472550		Periasamy	12/05/1995	
	US-5677286		Shull et al	10/14/1997	
	US-5834208		Sakano	11/10/1998	
	US-5998152		Lynch et al	12/07/1999	
	US-6008010		Greenberger et al	12/28/1999	
	US-6355491	B1	Zhou et al	03/12/2002	
	US-6387331	B1	Hunter	05/14/2002	
	US-6395480	B1	Hefti	05/28/2002	
	US-6408878	B2	Unger et al	06/25/2002	
	US-6411838	B1	Nordstrom et al	06/25/2002	
	US-6485905	B2	Hefti	11/26/2002	
	US-6507400	B1	Pina et al	01/14/2003	
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	US-2003/0008364	A1	Wang et al	01/09/2003	

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	Office ³	Number ⁴	Kind Code ⁵ (if known)				
	WO	02/39104	A1	Kibar	05/16/2002		

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	ARLT et al, "Moving Interference Patterns Created Using The Angular Doppler Effect", Optics Express, 10, 16, 2002, 844-852.	
	ASHKIN, "The Pressure Of Laser Light", Scientific American, 226, 2, 1972, 63-71.	
	BUICAN, "Automated Cell-Separation Techniques Based On Optical Trapping", ACS Symposium Series, 464, 1991, 59-72.	
	GROVER et al, "Automated Single-Cell Sorting System Based On Optical Trapping", Journal of Biomedical Optics, 6, 1, January 2001, 14-22.	



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/053,507
Sheet	2	of	2	Filing Date	January 17, 2002
				First Named Inventor	Haichuan Zhang
				Group Art Unit	1654
				Examiner Name	Randall O. Winston
				Attorney Docket Number	0302670-24 (prev. 271/088)

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	MACDONALD et al, "Trapping & Manipulation Of Low Index Particles In A Two Dimensional Interferometric Optical Trap", Optics Letters, 26, 12, 2001, 863-865.	
	MARKX et al, "The Dielectrophoretic Levitation Of Latex Beads, with Reference To Field-Flow Fractionation", Journal Of Physics D: Applied Physics, 30, 17, 1997, 2470-2477.	
	MOLLOY et al, "Lights, Action: Optical Tweezers", Contemp. Physics, 43, 4, 2001, 241-248.	
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	ZEMENEK et al, "Optical Trapping Of Rayleigh Particles Using A Gaussian Standing Wave, Optics Communication, 151, 4, 5, 6, 1998, 273-285.	

Examiner Signature	Date Considered
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